

1/30

REPLACEMENT SHEET

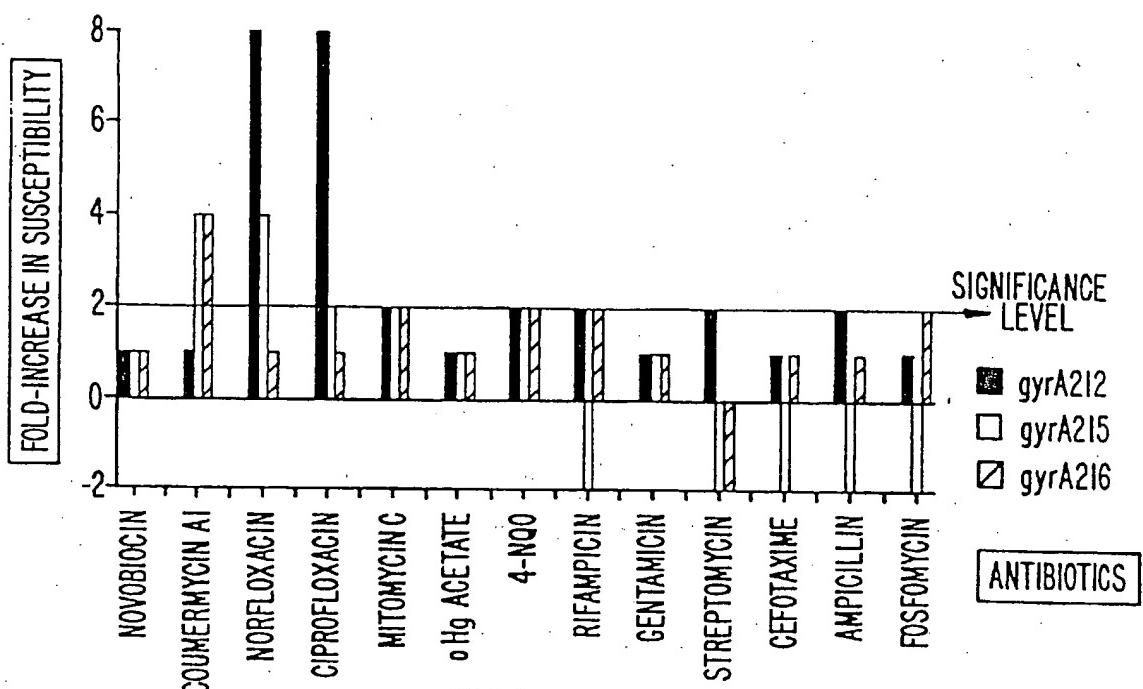
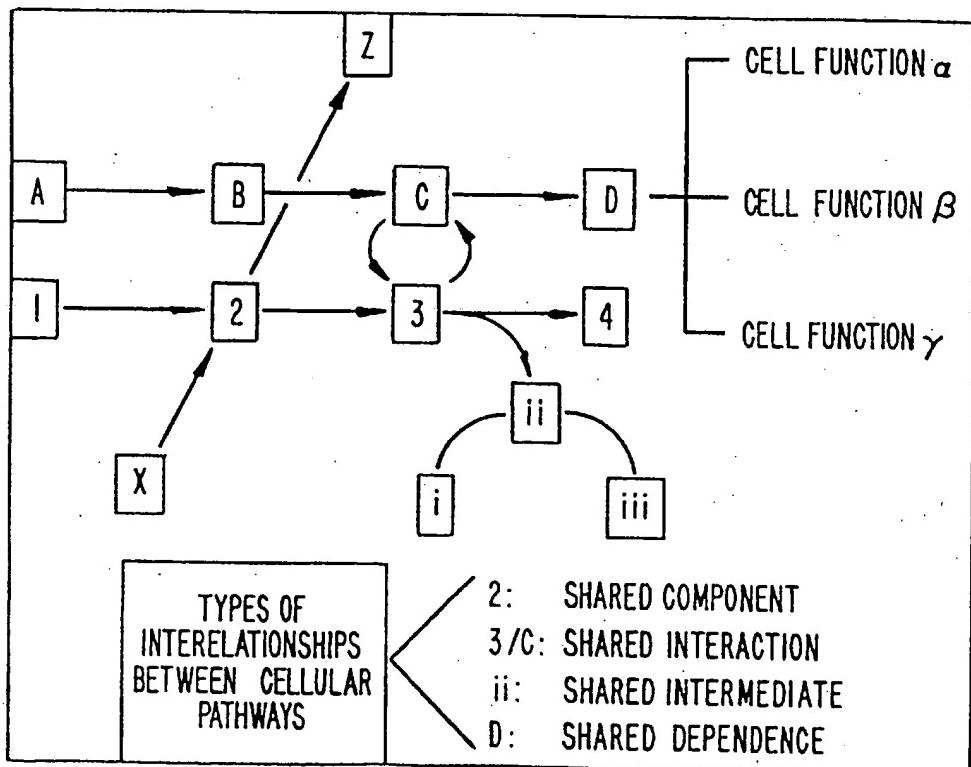


FIG. 1.

FIG. 3.



2/30

REPLACEMENT SHEET

FIG. 2.

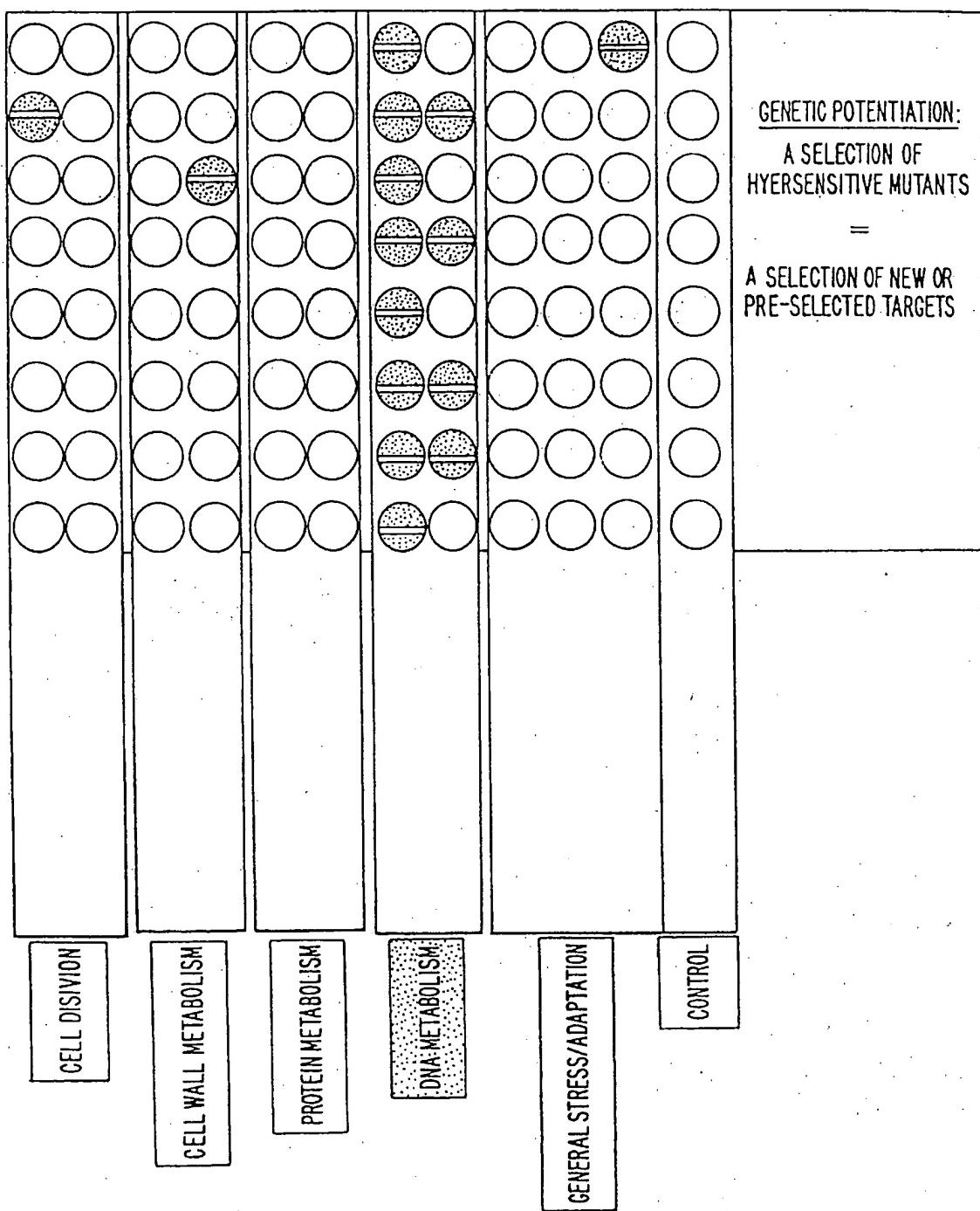
Gyrase inhibitors	Protein metabolism										Cell wall inhibitors			
	DNA/RNA metabolism	Mitoc	φHg	NQO	Rif	Gen	Strep	Phen	Cefo	Amp	Fosfo			
5155 dntE	-	-	-	-	-	-	-	-	-	-	-	-	-	4
7393 gyra216	-	4	-	-	-	-	-	-	-	-	-	-	-	-
7392 gyra215	-	4	-	≥4	-	-	-	-	-	-	-	-	-	-
7533 gyra212	-	-	8	≥8	-	-	-	-	-	-	ND	-	-	-
7784 parC	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5026 clm?	-	4	-	-	4	-	-	-	-	-	-	-	-	+8
5206 parE	-	-	-	-	4	-	-	-	-	4	-	-	-	-
8041 parE	-	-	-	-	4	-	-	-	-	ND	4	ND	ND	-
5174 parF	≥4	16	-	+4	-	16	-	-	8	8	-	-	-	-
5178 parF	≥2	≥64	-	-	8	32	4	-	8	8	8	-	-	-
7818 parF	≥2	4-16	-	-	-	-	-	-4-8	4	-	-	-	-	-
7109 clm?	-	-	-	-	4	-	-	-	-	-	-	-	-	-
5045 murB	-	-	-	-	16	-	-	-	-	-	-	-	-	-
7583 Round	-	-	-	-	4	-	-	-	-	-	-	-	-	-
7587 dopA	-	-	-	-	32	-	-	-	-	32	-	-	-	-4
5119 murCEFG	≥32	≥64	8	-	64	64	8	-	4	-	32	≥8	32	-
5091 Thyinc	≥64	≥64	-	-	8	4	4	-	4	-	8	4	8	-
7585 Odd	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5208 fslH	-	-	-	-	-	-	-	-	-	4	-	-	-	-
7141 Filam	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5052 Filam	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5051 Filam	-	-	-	16	-	64	4	-	-	-	-	-	-	+4
5041 UV-	-	-	-	-	-	16	4	4	-	-	-	-	-	+32
5066 UV-	-	4	-	+4	4	-	32	4	-	-	-	-	-	+8
5258 clm?	-	-	-	-	4	16	16	4	8	-	4	-	-	4

"-" INDICATES THAT THERE WAS NO SIGNIFICANT DIFFERENCE WITH THE WILD TYPE PARENT STRAIN. "ND": NOT DETERMINED.

3/30

REPLACEMENT SHEET

FIG. 4.



REPLACEMENT SHEET

1 plate (96 compounds/plate) x
96 mutants to screen

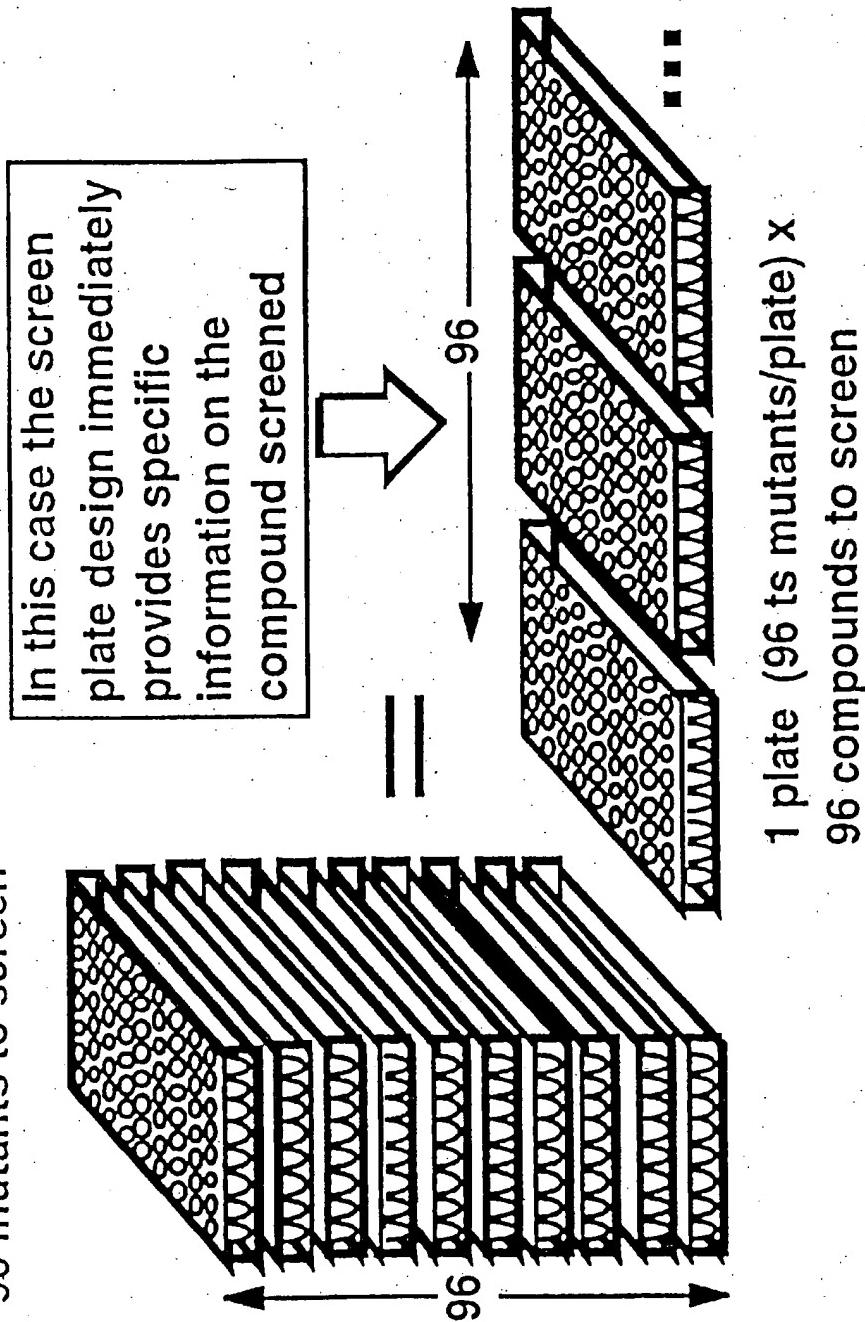
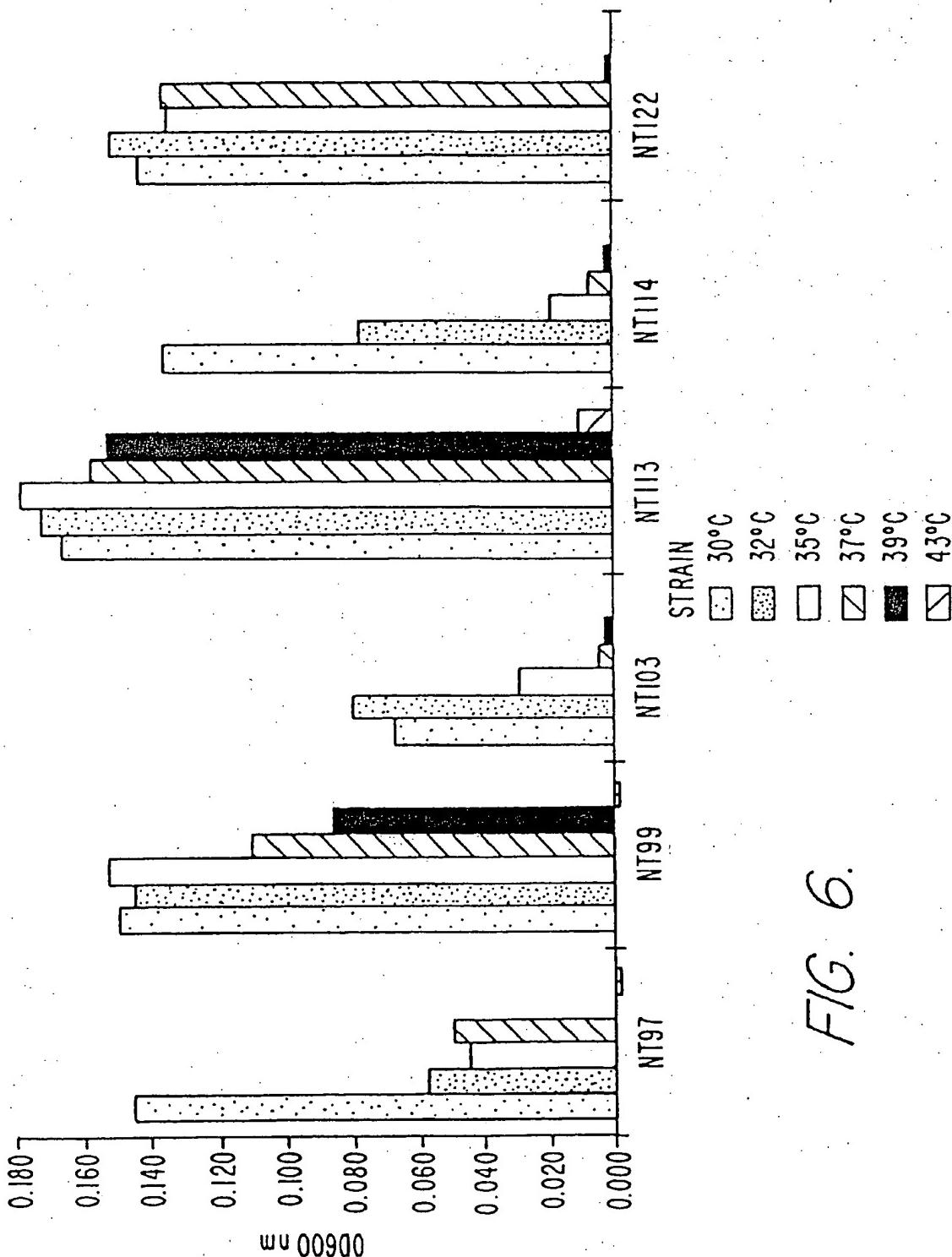


FIG. 5.

5/30

REPLACEMENT SHEET



6/30

REPLACEMENT SHEET

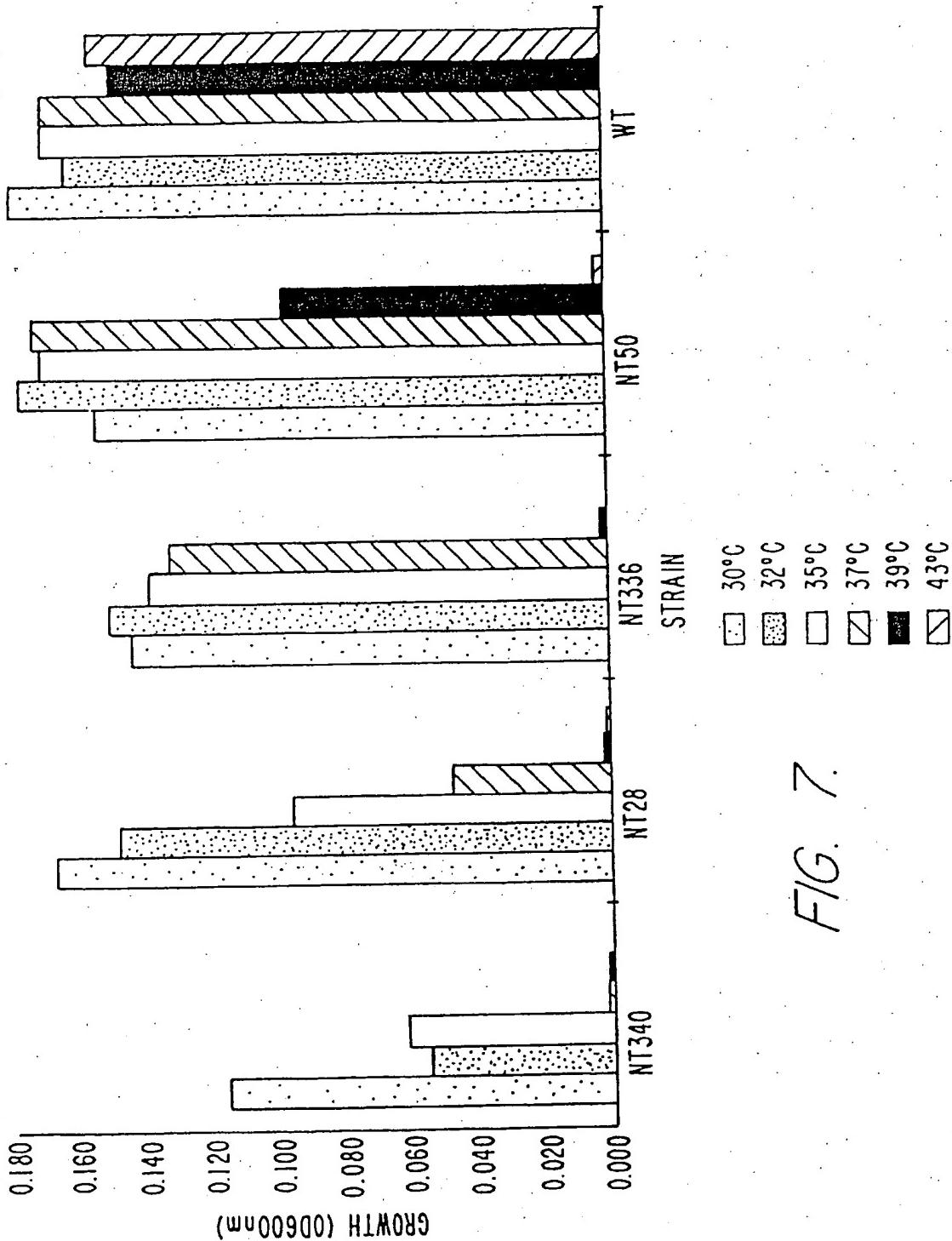
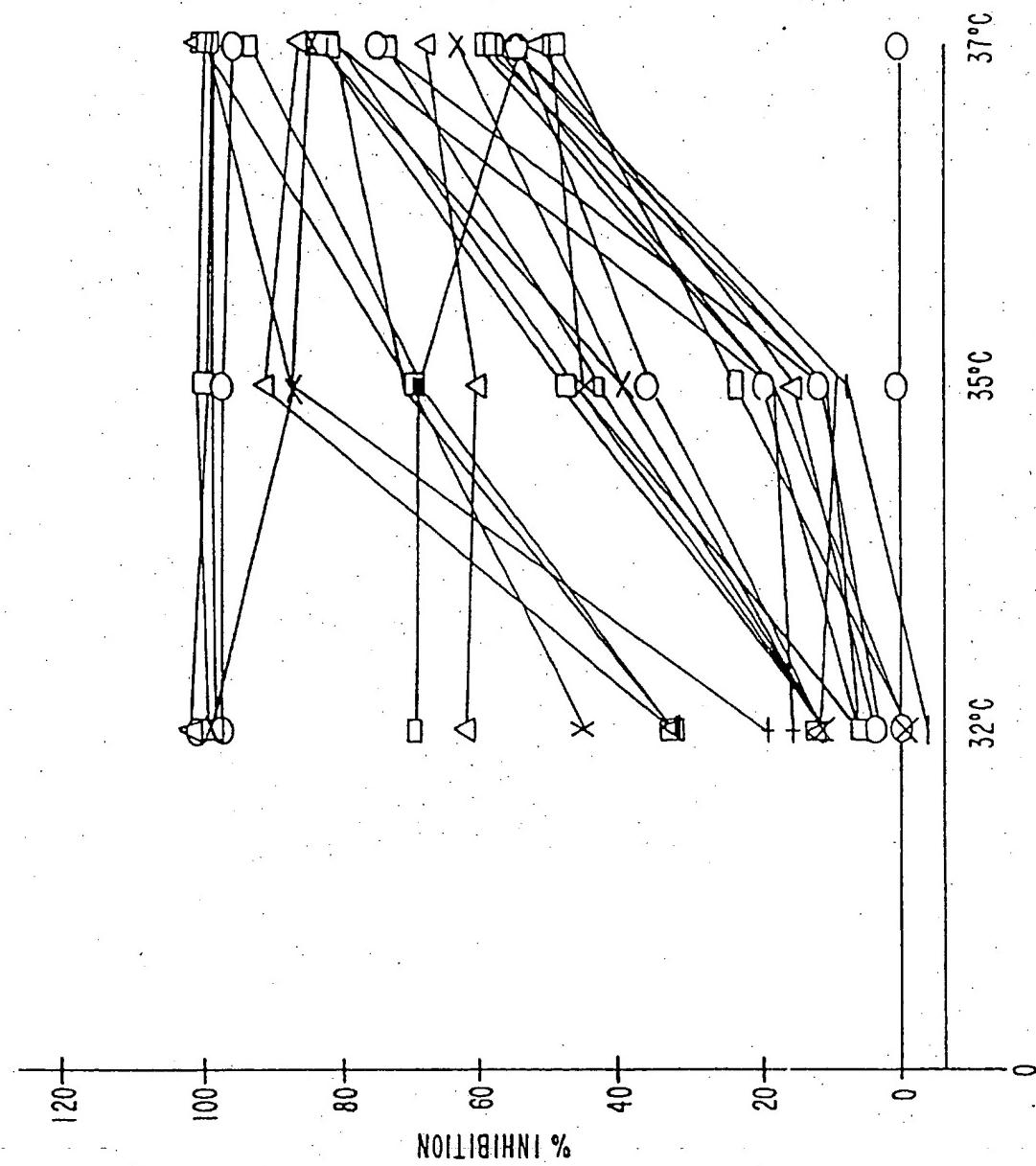


FIG. 7.

7/30

REPLACEMENT SHEET

FIG. 8.



STRAIN: NT 99

INHIBITORY EFFECT OF
30 COMPOUNDS AT 32°C,
35°C & 37°C

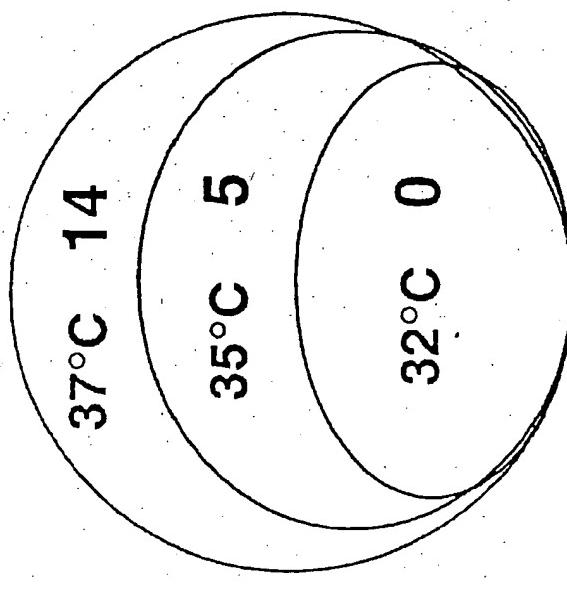
INHIBITORY EFFECT OF
30 COMPOUNDS AT 32°C,
35°C & 37°C

8/30

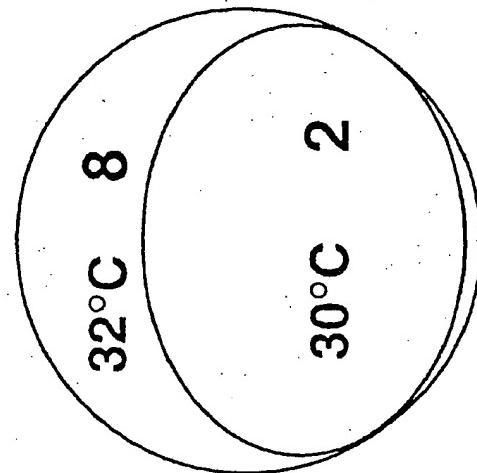
REPLACEMENT SHEET

FIG. 9.

Hit criteria: compd that inhibits mutant by $\geq 50\%$, and % inh.
on mutant is higher than on WT by $\geq 30\%$
of compounds tested: 480 for NT99; 240 for NT340



NT99

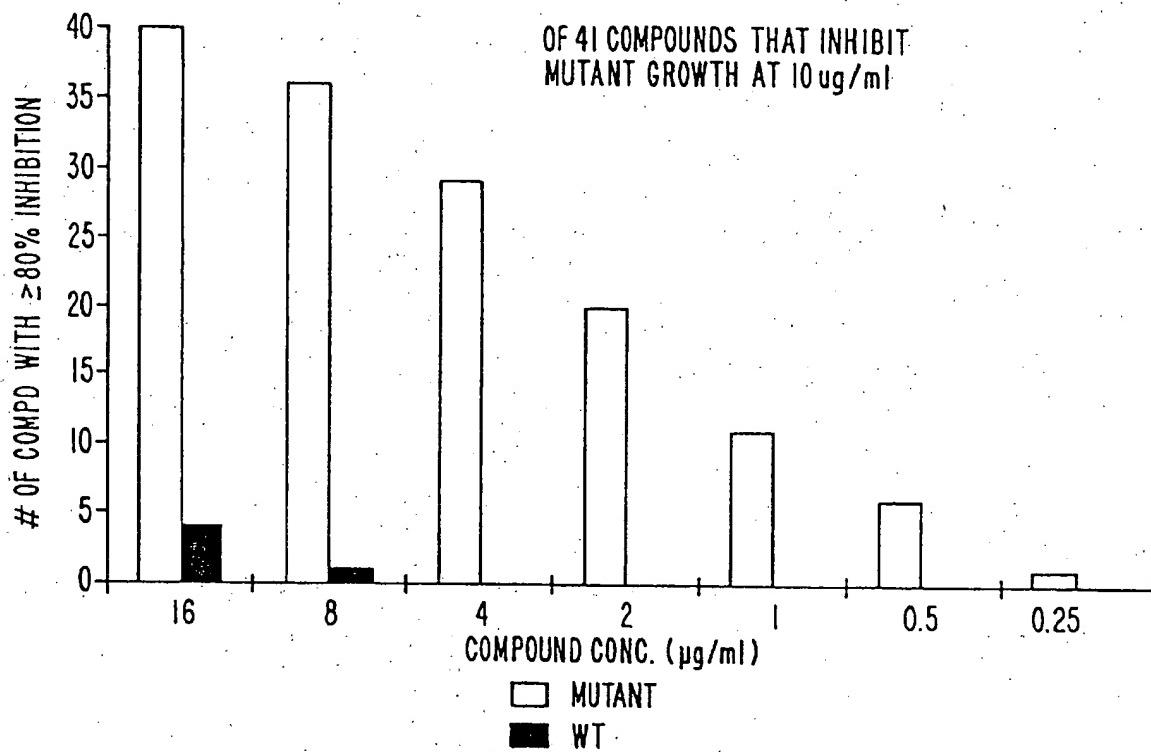


NT340

9/30

REPLACEMENT SHEET

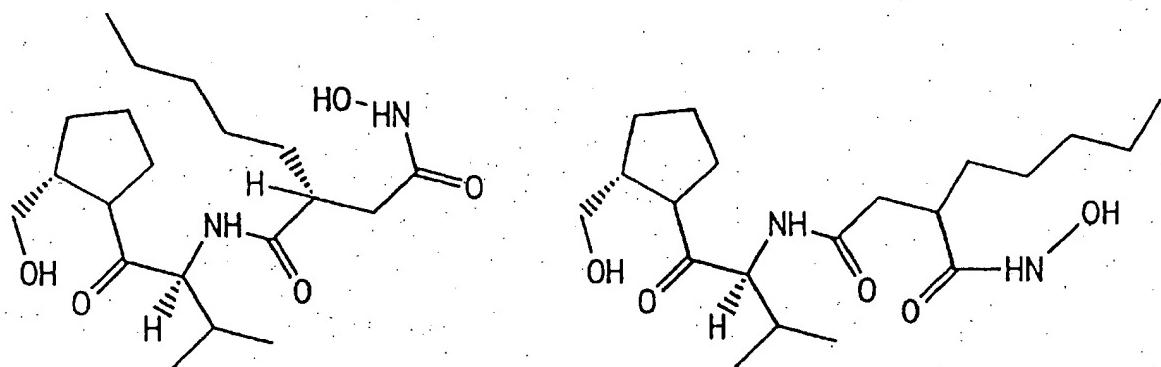
FIG. 10.



10/30

REPLACEMENT SHEET

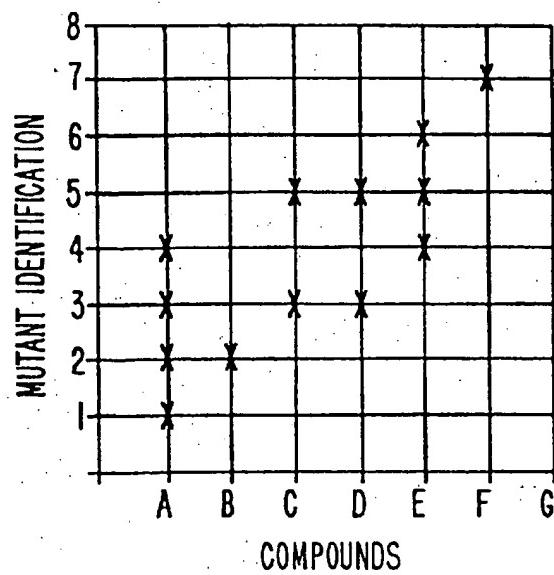
FIG. 11.



30-0014

20-0348

FIG. 13.



11/30

REPLACEMENT SHEET

NT	20-0157	10-0167	50-0116	20-0204	20-0860	20-0123	10-0287	20-0045	10-0373	20-0752	10-0197	20-0014	10-0348	20-0797	10-3775	00-9370	00-2002	00-0167
2																4	8	4
3																8		
4																4-8		
5																		
6																		
8																		
10																ND	ND	ND
12																4	4	
14																≥ 4		
15																		
16																≥ 8	4	16
18																	8	4
16																	8	
16																	4	4
22																	8	
23																		
27																≥ 8	4-8	4
28																	4	4
29																	≥ 2	16-32
33																		4-8
36																		4
42																		4
47																		8
50																		8
51																		
52																		8

F1G.12a.

12/30

REPLACEMENT SHEET

53				8	4
54				8	4
55				4	4
57				4	8
61				4	4
64				4	4
65	8 - 32	4	≥ 16	8	8
69				≥ 16	ND
72				4	ND
73				4	ND
74				4	ND
78				4	ND
85				8	ND
86				16	ND
89				4	ND
90				4	ND
96				4	ND
97				4	ND
102				4	ND
103				4	ND
106				4	ND
107				4	ND
108				4	ND
112				4	ND
113				4	ND
114				4	ND

FIG. 12b.

*ND: NO DATA AVAILABLE; BLANK BOXES SHOW NO SIGNIFICANT DIFFERENCE IN MIC FROM THE WILD-TYPE STRAIN (SIGNIFICANCE LEVEL $>+/-2$ FOLD).

13/30

REPLACEMENT SHEET

FIG. 14.

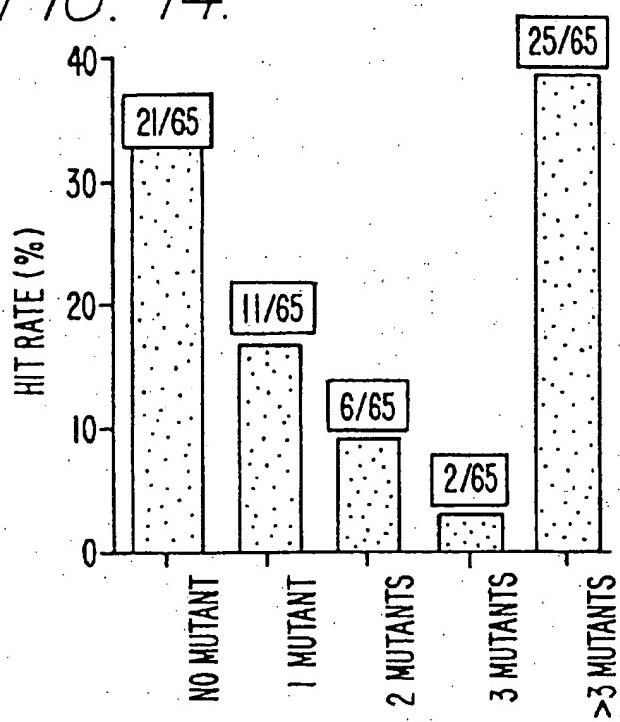
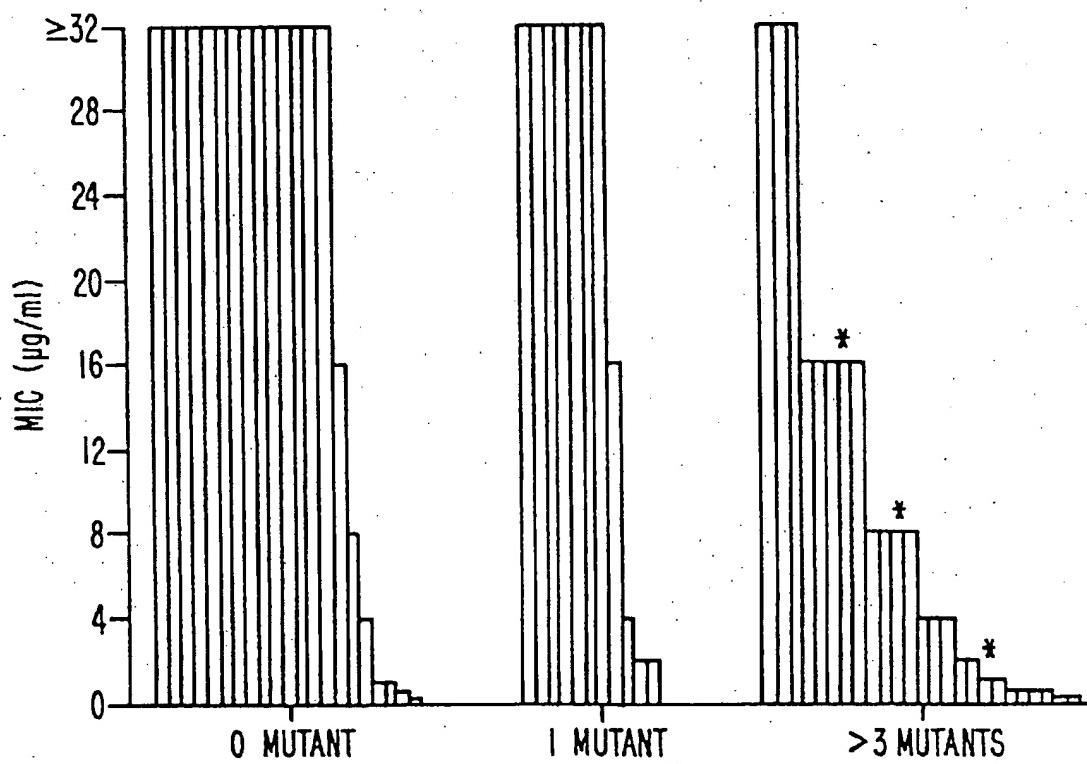


FIG. 15.



14/30

REPLACEMENT SHEET

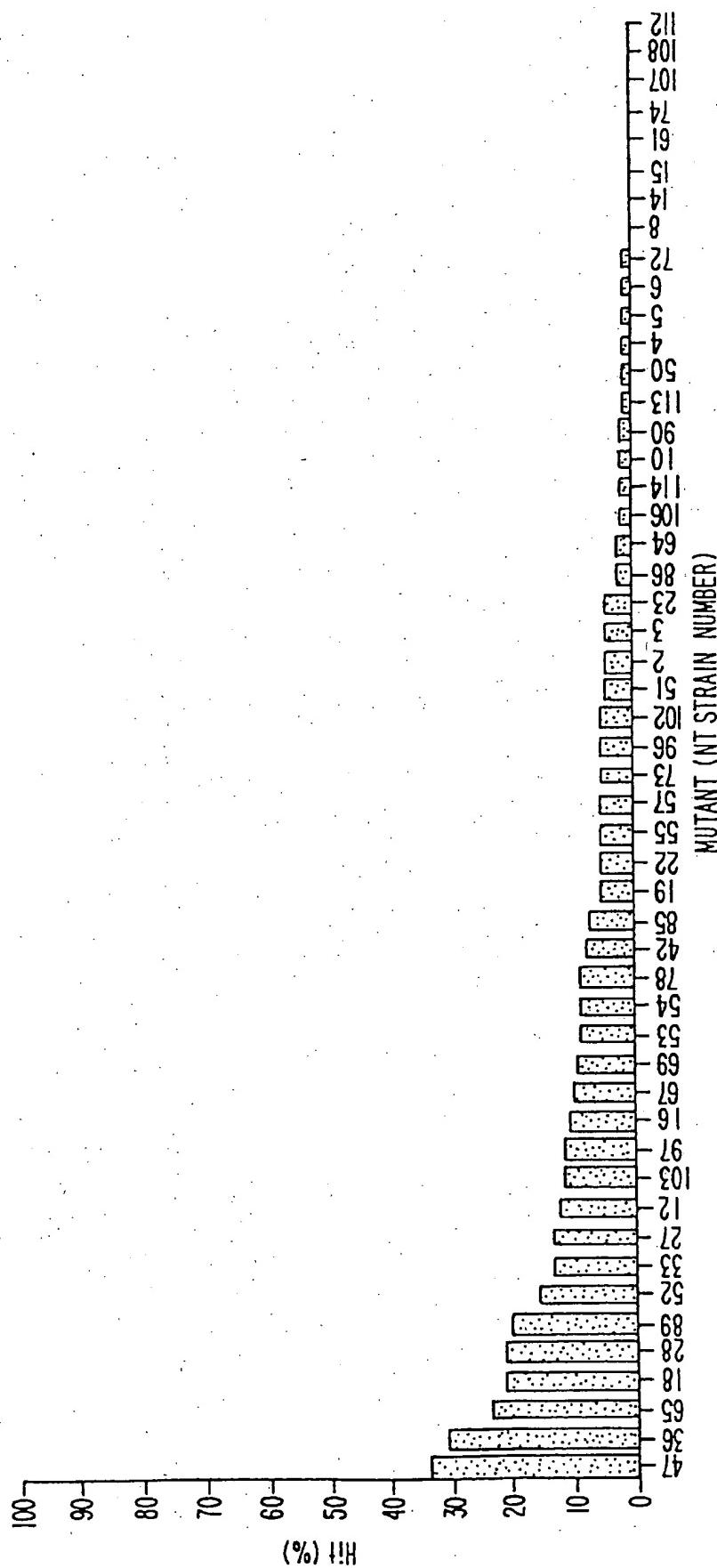


FIG. 16.

15/30

REPLACEMENT SHEET

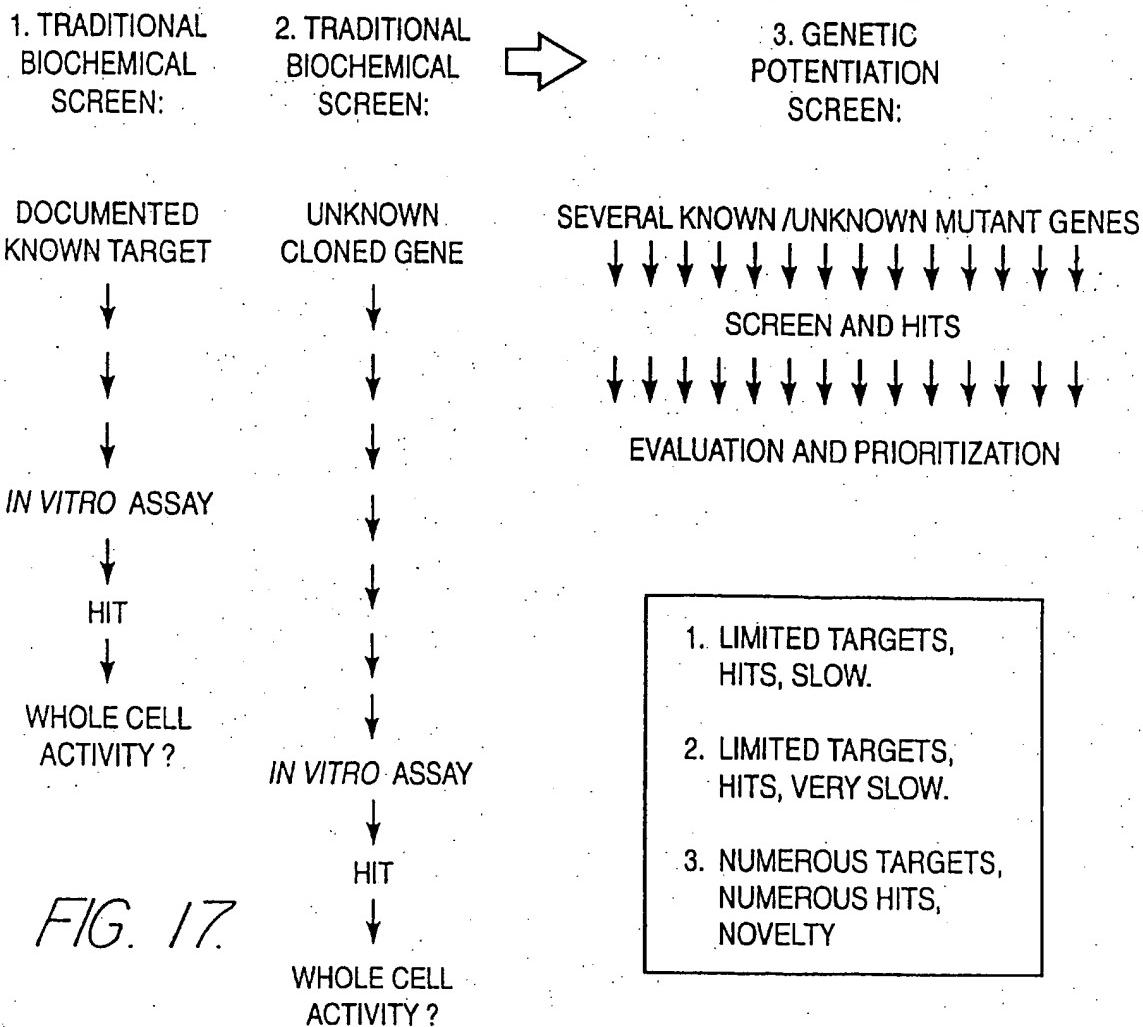


FIG. 18.

Relevant Genotype	Phenotype
ts/hypersens	No growth at high temperature
dom	No growth (not viable)
ts/hypersens dom	No growth (not viable)
ts/hypersens dom	Growth at high temperature No growth at low temperature

16/30

REPLACEMENT SHEET

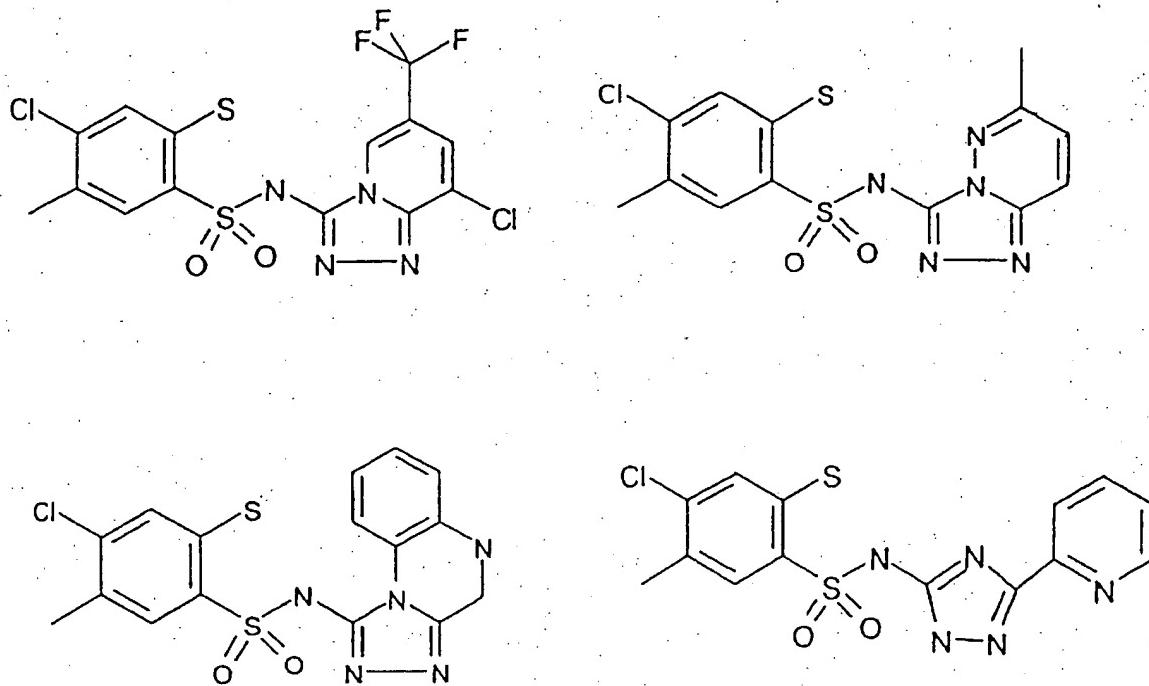
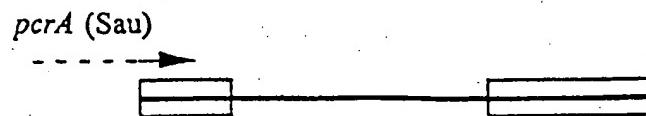


FIG. 19.

FIG. 20



17/30

REPLACEMENT SHEET

FIG. 21.

NT 3

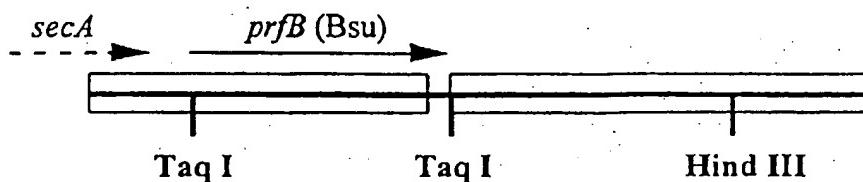


FIG. 22.

NT 5

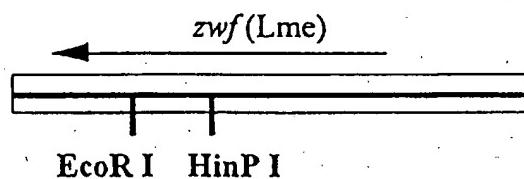


FIG. 23.

NT 6

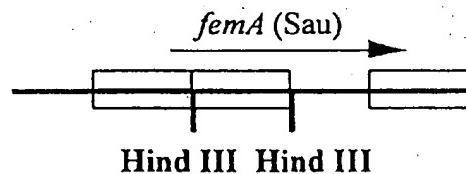


FIG. 24.

NT 8

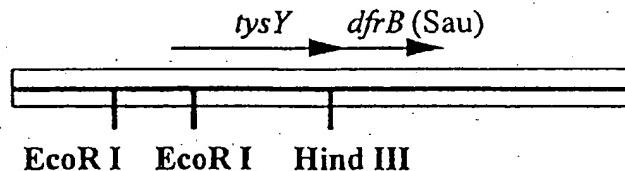
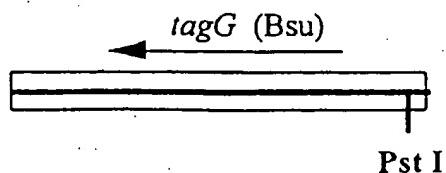


FIG. 25.

NT 12



18/30

REPLACEMENT SHEET

FIG. 26.
NT14

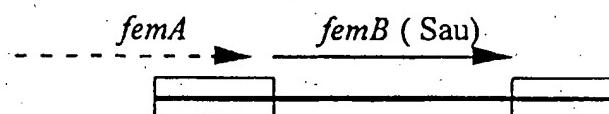


FIG. 27.
NT15

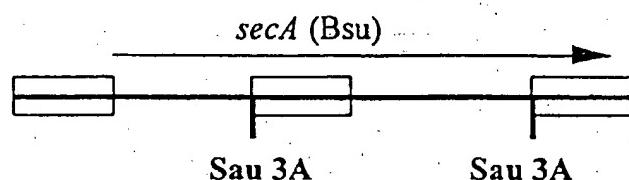


FIG. 28.
NT16

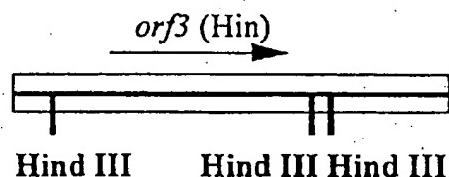


FIG. 29.
NT17

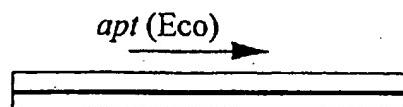
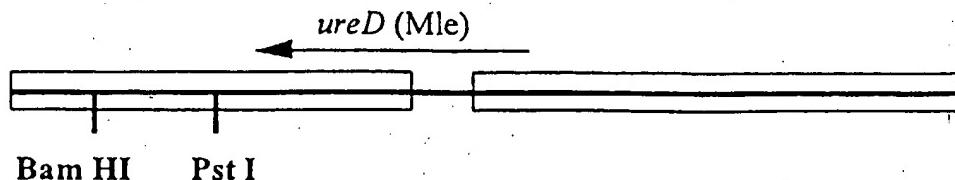


FIG. 30.
NT18



19/30

REPLACEMENT SHEET

FIG. 31.
NT19

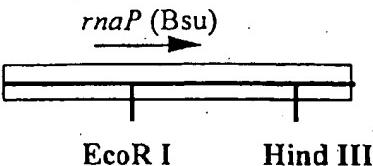


FIG. 32.
NT23

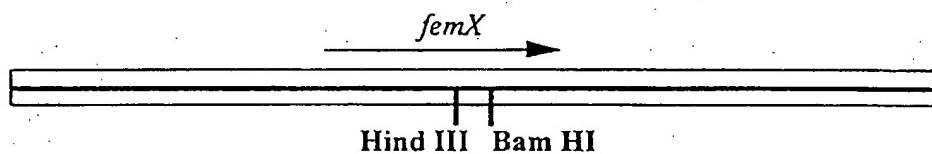


FIG. 33.
NT27

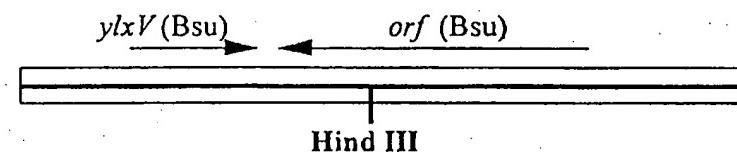


FIG. 34.
NT28

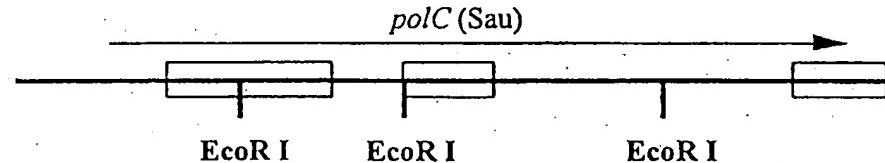
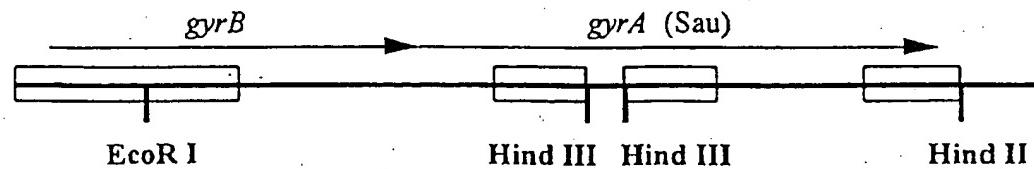


FIG. 35.
NT29



20/30

REPLACEMENT SHEET

FIG. 36.
NT31

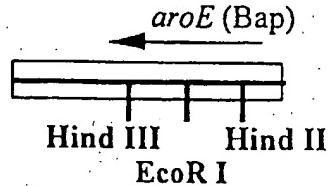


FIG. 37.
NT33a

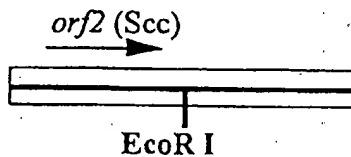


FIG. 38.
NT33b

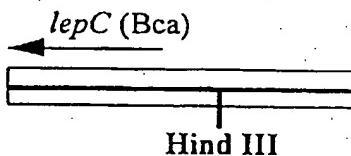


FIG. 39.
NT36

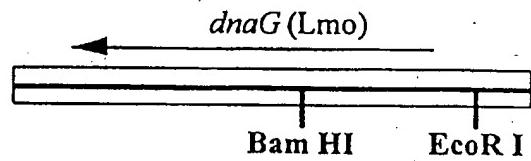
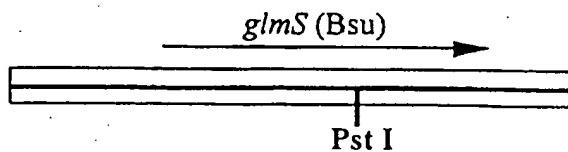


FIG. 40.
NT37



21/30

REPLACEMENT SHEET

FIG. 41.
NT41/64

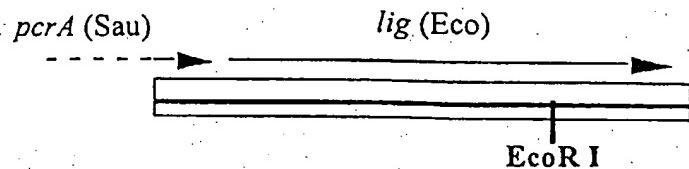


FIG. 42.
NT42

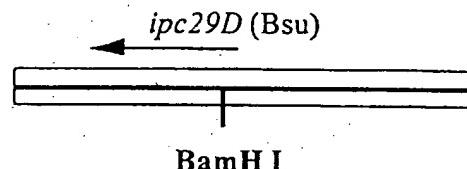


FIG. 43.
NT47

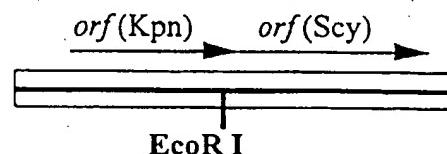


FIG. 44.
NT51

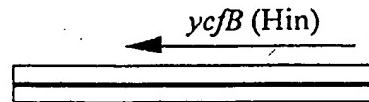


FIG. 45.
NT52



22/30

REPLACEMENT SHEET

FIG. 46.
NT53

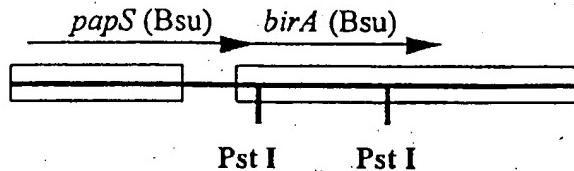


FIG. 47.
NT54

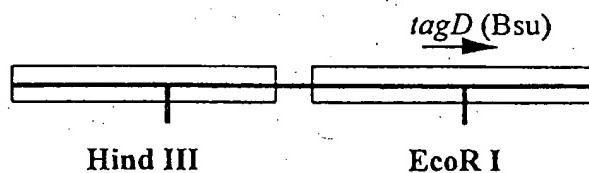


FIG. 48.
NT55

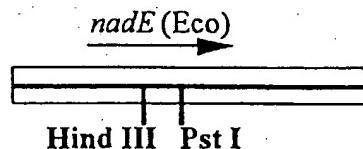


FIG. 49.
NT57

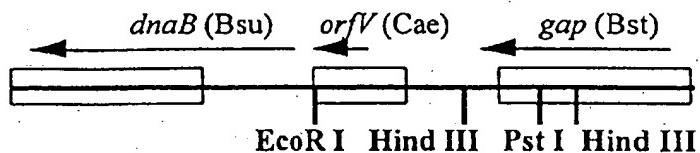
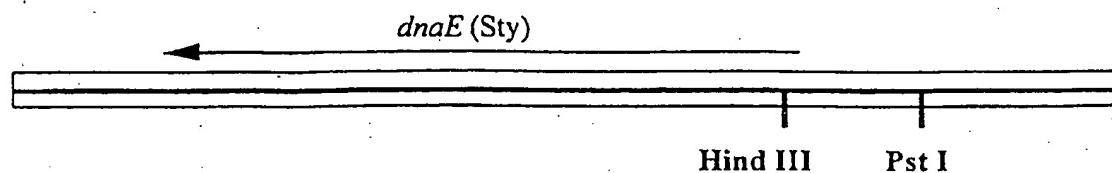


FIG. 50.
NT68



23/30

REPLACEMENT SHEET

FIG. 51.

NT78

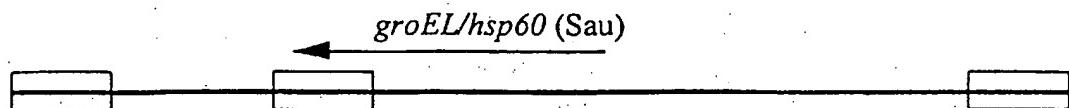


FIG. 52.

NT81

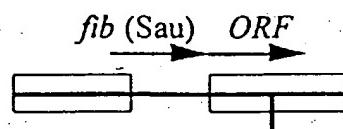


FIG. 53.

NT86

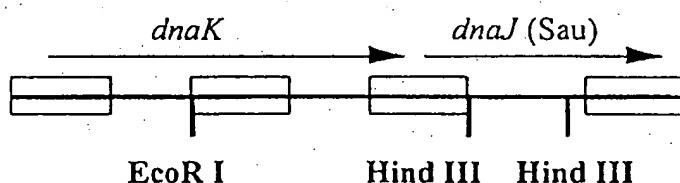


FIG. 54.

NT89

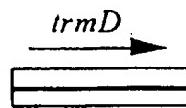
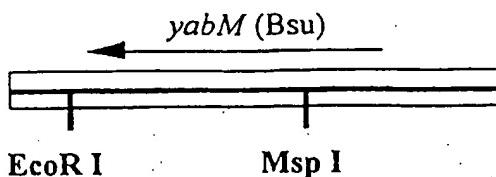


FIG. 55.

NT94



24/30

REPLACEMENT SHEET

FIG. 56.

NT96

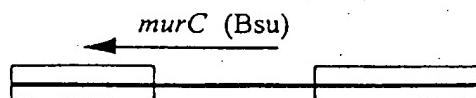


FIG. 57.

NT99



FIG. 58.

NT102

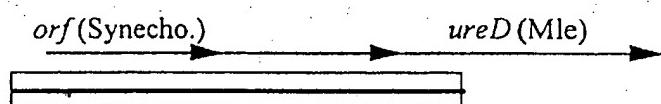


FIG. 59.

NT114

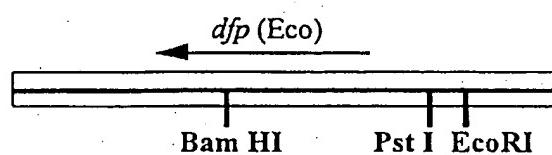


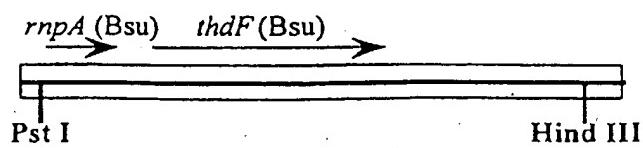
FIG. 60.

NT124



FIG. 61.

NT125



25/30

REPLACEMENT SHEET

FIG. 62.

NT144

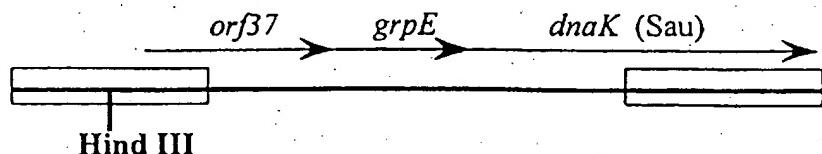


FIG. 63.

NT152

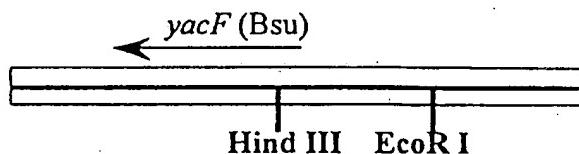


FIG. 64.

NT156

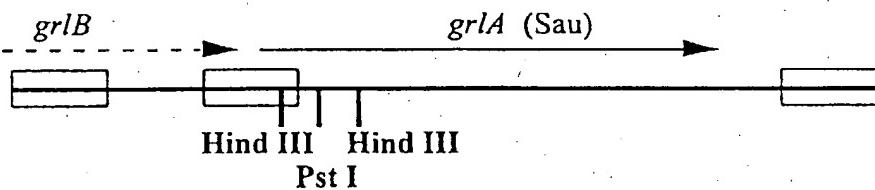


FIG. 65.

NT160

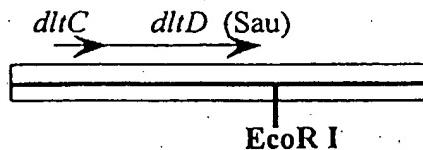
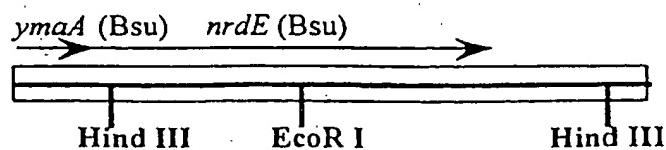


FIG. 66.

NT166



26/30

REPLACEMENT SHEET

FIG. 67.
NT199

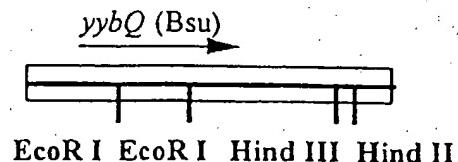


FIG. 68.
NT201

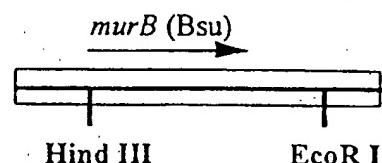


FIG. 69.
NT304

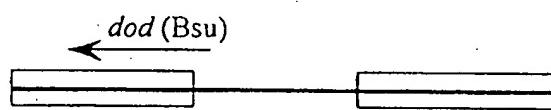


FIG. 70.
NT310

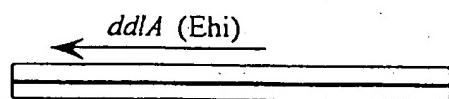


FIG. 71.
NT312

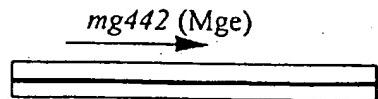
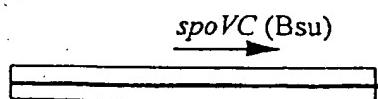


FIG. 72.
NT318



27/30

REPLACEMENT SHEET

FIG. 73.
NT321

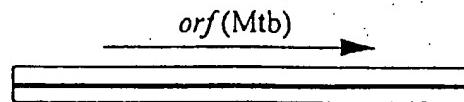


FIG. 74.
NT325

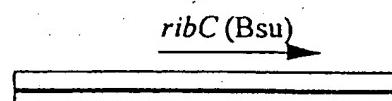


FIG. 75.
NT333

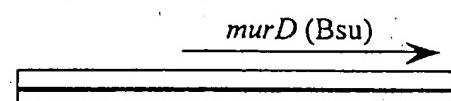


FIG. 76.
NT346

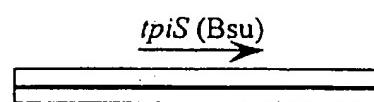


FIG. 77.
NT348

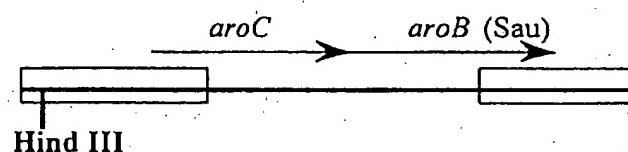
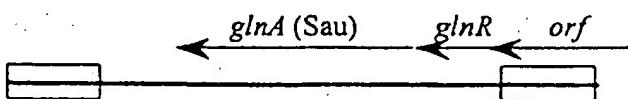


FIG. 78.
NT359



28/30

REPLACEMENT SHEET

FIG. 79.

NT371

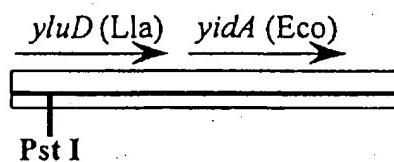


FIG. 80.

NT379

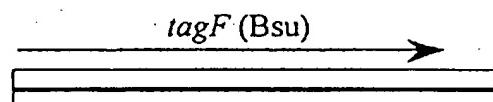


FIG. 81.

NT380

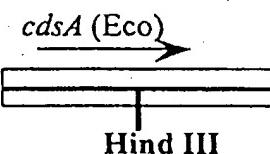


FIG. 82.

NT401

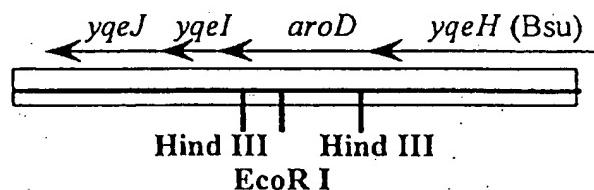
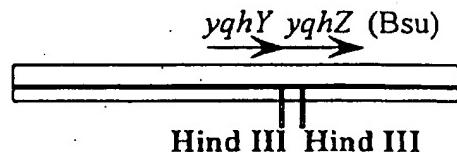


FIG. 83.

NT423



29/30

REPLACEMENT SHEET

FIG. 84.
NT432

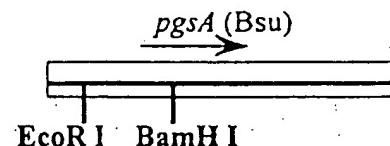


FIG. 85.
NT435

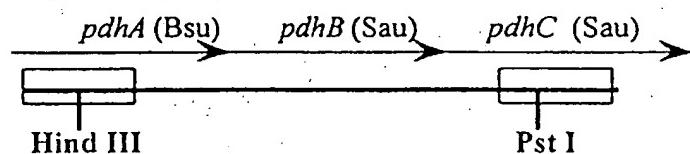


FIG. 86.
NT437



FIG. 87.
NT438

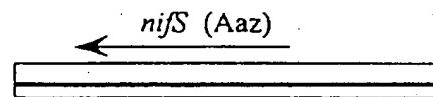


FIG. 88.
NT462

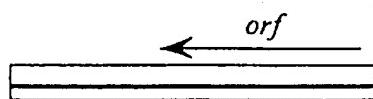
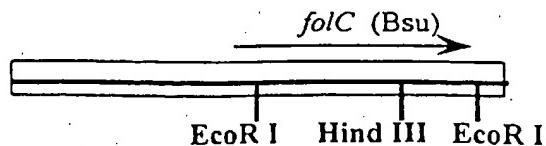


FIG. 89.
NT482



30/30

REPLACEMENT SHEET

FIG. 90.

NT486

